

Title (en)  
Electric discharge gas laser

Title (de)  
Gasentladungslaser

Title (fr)  
Laser à décharge gazeuse

Publication  
**EP 1164667 B1 20080917 (EN)**

Application  
**EP 01113983 A 20010608**

Priority  
JP 2000172233 A 20000608

Abstract (en)  
[origin: EP1164667A2] There is provided an electric discharge gas laser comprising a housing containing a laser gas; a rotating fan provided in the housing to circulate the gas in the housing; a bearing device for magnetically supporting a rotating shaft of the rotating, the bearing device being provided with a sensor device comprising a sensor for sensing the position of the rotating shaft to generate signals indicating the position of the rotating shaft, and a signal processor for receiving and processing the signals delivered from the sensor to output processed signals; and a control separated from the bearing device and functionally associated with the bearing device to receive the processed signals from the sensor device for controlling the bearing device on the basis of the processed signals.

IPC 8 full level  
**F16C 32/04** (2006.01); **H01S 3/036** (2006.01); **F16C 39/06** (2006.01); **H01S 3/03** (2006.01); **H02K 7/09** (2006.01); **H02K 7/14** (2006.01); **H01S 3/225** (2006.01)

CPC (source: EP KR US)  
**F16C 32/0444** (2013.01 - EP US); **F16C 32/0489** (2013.01 - EP US); **H01S 3/03** (2013.01 - KR); **H01S 3/036** (2013.01 - EP US); **H01S 3/225** (2013.01 - EP US)

Citation (examination)  
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DE FR GB NL

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**EP 1164667 A2 20011219**; **EP 1164667 A3 20040929**; **EP 1164667 B1 20080917**; DE 60135806 D1 20081030; JP 2001352114 A 20011221; KR 20010111460 A 20011219; SG 89401 A1 20020618; TW 593903 B 20040621; US 2001050940 A1 20011213; US 6785314 B2 20040831

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